

CLAIMS

1. A growth medium including
 - (a) fine grade coir, and
 - (b) coir having a particle size of at least 3mm.

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2. A growth medium according to claim 1 wherein the fine grade coir is 40% or less of the total amount of coir in the medium.

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3. A growth medium according to claim 1 or 2 wherein the fine grade coir is 1% to 40 % of the total amount of coir in the medium.

4. A growth medium according to any one of claims 1 to 3 wherein the fine grade coir is 1% to 25 % of the total amount of coir in the medium.

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5. A growth medium according to any one of claims 1 to 4 wherein the fine grade coir is 5% to 15% of the total amount of coir in the medium.

6. A growth medium according to any one of claims 1 to 3 wherein the fine grade coir is 5% to 40% of the total amount of coir in the medium.

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7. A growth medium according to any one of claims 1 to 3 and 6 wherein the fine grade coir is 5% to 20% of the total amount of coir in the medium.

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8. A growth medium according to any one of claims 1 to 3, 6 or 7 wherein the fine grade coir is 10% to 20% of the total amount of coir in the medium.

9. A growth medium according to any one of claims 1 to 8 wherein the amount of fine grade coir is about 15% of the total amount of coir in the medium.

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10. A growth medium according to any one of claims 1 to 7 wherein the amount of fine grade coir is about 5% of the total amount of coir in the medium.

11. A growth medium according to claim 1 or claim 2 wherein the amount of coir having a particle size of at least 3mm is 60% or more of the total amount of coir in the medium.

12. A growth medium according to claim 3 wherein the amount of coir having a particle size of at least 3mm is 60% to 99% of the total amount of coir in the medium.

13. A growth medium according to claim 4 wherein the amount of coir having a particle size of at least 3mm is 75% to 99% of the total amount of coir in the medium.

14. A growth medium according to claim 5 wherein the amount of coir having a particle size of at least 3mm is 85% to 95% of the total amount of coir in the medium.

15. A growth medium according to claim 6 wherein the amount of coir having a particle size of at least 3mm is 60% to 95% of the total amount of coir in the medium.

16. A growth medium according to claim 7 wherein the amount of coir having a particle size of at least 3mm is 80% to 95% of the total amount of coir in the medium.

17. A growth medium according to claim 8 wherein the amount of coir having a particle size of at least 3mm is 80% to 90% of the total amount of coir in the medium.

18. A growth medium according to claim 9 wherein the amount of coir having a particle size of at least 3mm is about 85% of the total amount of coir in the medium.

19. A growth medium according to claim 10 wherein the amount of coir having a particle size of at least 3mm is about 95% of the total amount of coir in the medium.

20. A growth medium according to any one of claims 1 to 19 wherein the coir having a particle size of at least 3mm is a mixture of 3-6mm coir and chip and fibre coir.

21. A growth medium according to claim 20 wherein the amount of 3-6 mm coir is 10% to 50% of the total amount of coir in the medium.

22. A growth medium according to claim 20 or 21 wherein the amount of 3-6 mm coir is 20% to 50% of the total amount of coir in the medium.

5 23. A growth medium according to claim 20 wherein the amount of 3-6 mm coir is 15% to 45% of the total amount of coir in the medium.

24. A growth medium according to claim 20 wherein the amount of 3-6 mm coir is 15% to 40% of the total amount of coir in the medium.

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25. A growth medium according to claim 20 wherein the amount of 3-6 mm coir is 30% to 40% of the total amount of coir in the medium.

15 26. A growth medium according to claim 20 wherein the amount of 3-6 mm coir about 35% of the total amount of coir in the medium.

27. A growth medium according to claim 20 wherein the amount of 3-6 mm coir is about 40% of the total amount of coir in the medium.

20 28. A growth medium according to claim 20 or 21 wherein the amount of Chip and fibre coir is 10% to 89% of the total amount of coir in the medium.

29. A growth medium according to claim 20, 21 or 22 wherein the amount of Chip and fibre coir is 10% to 79% of the total amount of coir in the medium.

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30. A growth medium according to claim 20 or 23 wherein the amount of Chip and fibre coir is 15% to 84% of the total amount of coir in the medium.

30 31. A growth medium according to claim 20 or 24 wherein the amount of Chip and fibre coir is 20% to 84% of the total amount of coir in the medium.

32. A growth medium according to claim 20 or 25 wherein the amount of Chip and fibre coir is from 20% to 69% of the total amount of coir in the medium.

33. A growth medium according to claim 20 wherein the amount of Chip and fibre coir is from 40% to 60% of the total amount of coir in the medium.

334. A growth medium according to claim 20 wherein the amount of Chip and fibre coir is about 50% of the total amount of coir in the medium.

35. A growth medium according to claim 1 wherein the coir in the medium is made up of

(a) 1% to 25% fine grade coir, and

(b) 75% to 99% coir having a particle size of at least 3mm.

36. A growth medium according to claim 35 wherein the coir in the medium is made up of:

(a) 1% to 25% fine grade coir,

(b) 10% to 50% 3-6 mm grade coir, and

(c) 25% to 89% chip and fibre coir.

37. A growth medium according to claim 35 or 36 wherein the coir in the medium is made up of:

(a) 5% to 15% fine grade coir,

(b) 15% to 40% 3-6 mm grade coir, and

(c) 45% to 80% chip and fibre coir.

38. A growth medium according to claim 1 including:

10-30 parts of fine grade coir,

20-50 parts 3-6mm grade coir,

20-75 parts chip and fibre coir,

wherein the total sum of the parts of fine grade coir, 3-6mm grade coir, and chip and fibre coir add up to 100.

39. A growth medium according to claim 38 including

15 parts of fine grade coir,

35 parts 3-6mm grade coir,

50 parts chip and fibre coir,

40. A growth medium according to claim 1 including:

5-15 parts of fine grade coir,

30 to 50 parts 3-6mm grade coir,

5 40 to 60 parts chip and fibre coir,

wherein the total sum of the parts of fine grade coir, 3-6mm grade coir, and chip and fibre coir add up to 100,

41. A growth media according to claim 40 including:

10 10 parts of fine grade coir,

40 parts 3-6mm grade coir, and

50 parts chip and fibre coir.

42. A growth medium according to claim 1 including:

15 1-10 parts of fine grade coir,

5 to 25 parts 3-6mm grade coir,

70 to 90 parts chip and fibre coir,

wherein the total sum of the parts of fine grade coir, 3-6mm grade coir, and chip and fibre coir add up to 100

20 43. A growth media according to claim 42 including:

5 parts of fine grade coir,

15 parts 3-6mm grade coir, and

80 parts chip and fibre coir.

25 44. A growth medium according to claim 1 including:

1 to 10 parts of fine grade coir,

15 to 35 parts 3-6mm grade coir,

60 to 80 parts chip and fibre coir,

30 wherein the total sum of the parts of fine grade coir, 3-6mm grade coir, and chip and fibre coir add up to 100,

45. A growth media according to claim 44 including:

5 parts of fine grade coir,

25 parts 3-6mm grade coir, and
70 parts chip and fibre coir.

46. A growth medium according to claim 1 including:

5 1 to 10 parts of fine grade coir,

30 to 50 parts 3-6mm grade coir, and

40 to 60 parts chip and fibre coir,

wherein the total sum of the parts of fine grade coir, 3-6mm grade coir, and chip and fibre coir add up to 100,

10 47. A growth media according to claim 46 including:

5 parts of fine grade coir,

40 parts 3-6mm grade coir,

55 parts chip and fibre coir;

15 48. A growth medium according to any one of the preceding claims wherein the total amount of coir in the medium is at least 50%.

49. A growth medium according to any one of the preceding claims wherein the
20 total amount of coir in the medium is at least 70%.

50. A growth medium according to any one of the preceding claims wherein the total amount of coir in the medium is at least 90%.

25 51. A growth medium according to any one of the preceding claims wherein the total amount of coir in the medium is at least 95%.

52. A growth medium according to any one of the preceding claims wherein the total amount of coir in the medium is at least 97.5%.

30 53. A growth medium according to any one of the preceding claims wherein the medium contains one or more additives selected from the group consisting of wetting agents, trace elements, controlled release fertilisers, slow release fertilisers,

fungicides, herbicides, insecticides, pigments, pH adjustment agents, buffers, humates, neem products and fungal additives.

54. A growth medium according to any of the preceding claims wherein the medium
5 contains a fertiliser.

55. A growth medium according to claim 54 wherein the fertiliser is a controlled release fertiliser or a controlled release fertiliser.

10 56. A growth medium according to claim 54 or 55 wherein the amount of fertiliser is in the range of from 0.1% to 5%.

57. A growth medium according to claim 54 or 55 wherein the amount of fertiliser is in the range of from 1% to 4%.

15 58. A growth medium according to claim 54 or 55 wherein the amount of fertiliser is about 3%.

59. A growth medium according to any one of claims 1 to 58 wherein the medium
20 contains a source of magnesium and calcium.

60. A growth medium according to claim 59 wherein the source of magnesium and calcium is dolomite.

25 61. A growth medium according to claim 59 or 60 wherein the source of magnesium and calcium is present in an amount of 0.5% to 2%.

62. A growth medium according to claim 59 or 60 wherein the source of magnesium and calcium is present in an amount of 0.75% to 1.25%.

30 63. A growth medium according to claim 59 or 60 wherein the source of magnesium and calcium is present in an amount of about 1%.

64. A growth medium according to any one of the preceding claims wherein the medium is in the form of a compressed block.

5 65. A growth medium according to claim 64 wherein the medium has been compressed by a factor of at least 3 when compared to the uncompressed volume of the medium prior to compression.

10 66. A growth medium according to claim 64 or 65 wherein the growth medium has been compressed by a factor of at least 5 when compared to the uncompressed volume of the medium prior to compression.